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(57) Abstract:

PURPOSE: To obtain a small-sized, lightweight and inexpensive air cleaner without using any fluorocarbon and with no need for a high voltage generator, etc., by forming the air cleaner from a filter for filtering off the contaminant of compressed air and the mixture of the material radiating a line of magnetic force an far IR, and an electret powder.

CONSTITUTION: The air cleaning unit 1 consists of a filter 2, the mixture 3 of a material radiating a line of magnetic force and far IR and an electric polarization material radiating a line of electric force, and a filter 4. Compressed air introduced from the filter 2 of the unit 1 is passed through the mixture 3, and the reformed compressed air is discharged from the filter 4. The filter 2 is used to remove large dust, and a mechanical filter is mainly used. The pulverized ferromagnetic body is used as the magnetic powder material of the mixture 3, a ceramic powder is used for the far IR radiator, and the mixture with an electret powder is used for the electric polarization material.

